

大花兜兰，柬埔寨兰科一新种*

刘仲健¹，陈心启²

(1 深圳市梧桐山苗圃总场，广东 深圳 518114；2 中国科学院植物研究所系统与进化植物学
开放研究实验室，北京 100093)

Paphiopedilum macranthum, a New Species of Orchidaceae from Cambodia

LIU Zhong-Jian¹, CHEN Sing-Chi²

(1 Shenzhen City Wutongshan Nurseries, Shenzhen 518114, China; 2 Laboratory of Systematic & Evolutionary Botany,
Institute of Botany, Chinese Academy of Sciences, Beijing 100093, China)

Key words: *Paphiopedilum macranthum*; New species; Cambodia

关键词：大花兜兰；新种；柬埔寨

中图分类号：Q 949 文献标识码：A 文章编号：0253-2700(2002)06-0712-03

本文所描述的兰科新种大花兜兰 (*Paphiopedilum macranthum* Z. J. Liu et S. C. Chen) 是采自柬埔寨东部靠近越南边界的。据采集者说此种植物很久以前已被发现并送到国外去了，此次系再次被采集到的。

根据该植物的形态特征，显然是属于兜兰组 (Sect. *Paphiopedilum*) 的，与紫毛兜兰 (*Paphiopedilum villosum* (Lindl.) Stein) 有某种亲缘关系，但巨大而密生斑点的中萼片非常美丽，似乎可以在一些杂交品种，如 *Paphiopedilum Chrysostom* 与 *Paphiopedilum Winston Churchill* 中看到，但在全属的野生种中却很难找到。或许正如一些行家所说，这是许多杂交品种的亲本，一个未曾发表而丢失的亲本。目前该植物已被种植于深圳市梧桐山苗圃总场兰园温室中。

大花兜兰 新种 图 1

Paphiopedilum macranthum Z. J. Liu et S. C. Chen, sp. nov. Fig. 1

Paphiopedilum villosum (Lindl.) Stein subsimile, a quo bene differt foliis majoribus 26–42 cm longis (4–) 5–6 cm latis, pedunculo albo-pubescenti, sepalo intermedio 7.8 cm lato dense purpureo-rubello-punctato dorso prope basin et secus costam albo-pubescenti.

Rhizoma breve. Folia (2–) 3–4, disticha, anguste oblongo-ligulata, 26–42 cm longa, (4–) 5–6 cm lata, supra atroviridia, infra viridia et prope basin purpureo-brunnea, apice subacuta et leviter bilobata, basi in petiolum conduplicata. Scapus suberectus, cum inflorescentia uniflora ca 32 cm longus, pedunculo 24 cm longo, viridi purpureo-rubello-punctulato, albo-pubescenti, basi vagina una viridi 7 cm longa, conduplicata praedito; bractea elliptica, 5.8 cm longa, 4.2 cm lata, conduplicata, viridis, purpureo-rubello-punctulata, dorso prope basin albo-pubescenti; pedicellus cum ovario 6.2 cm longus, viridis, purpureo-rubello-punctulatus, albo-pubescenti; flos ca 11 cm in diam.; sepalum

* 收稿日期：2001-12-24，2002-01-14 接受发表

作者简介：刘仲健 (1958–) 男，高级工程师，主要从事兰科及相关生物技术的研究。

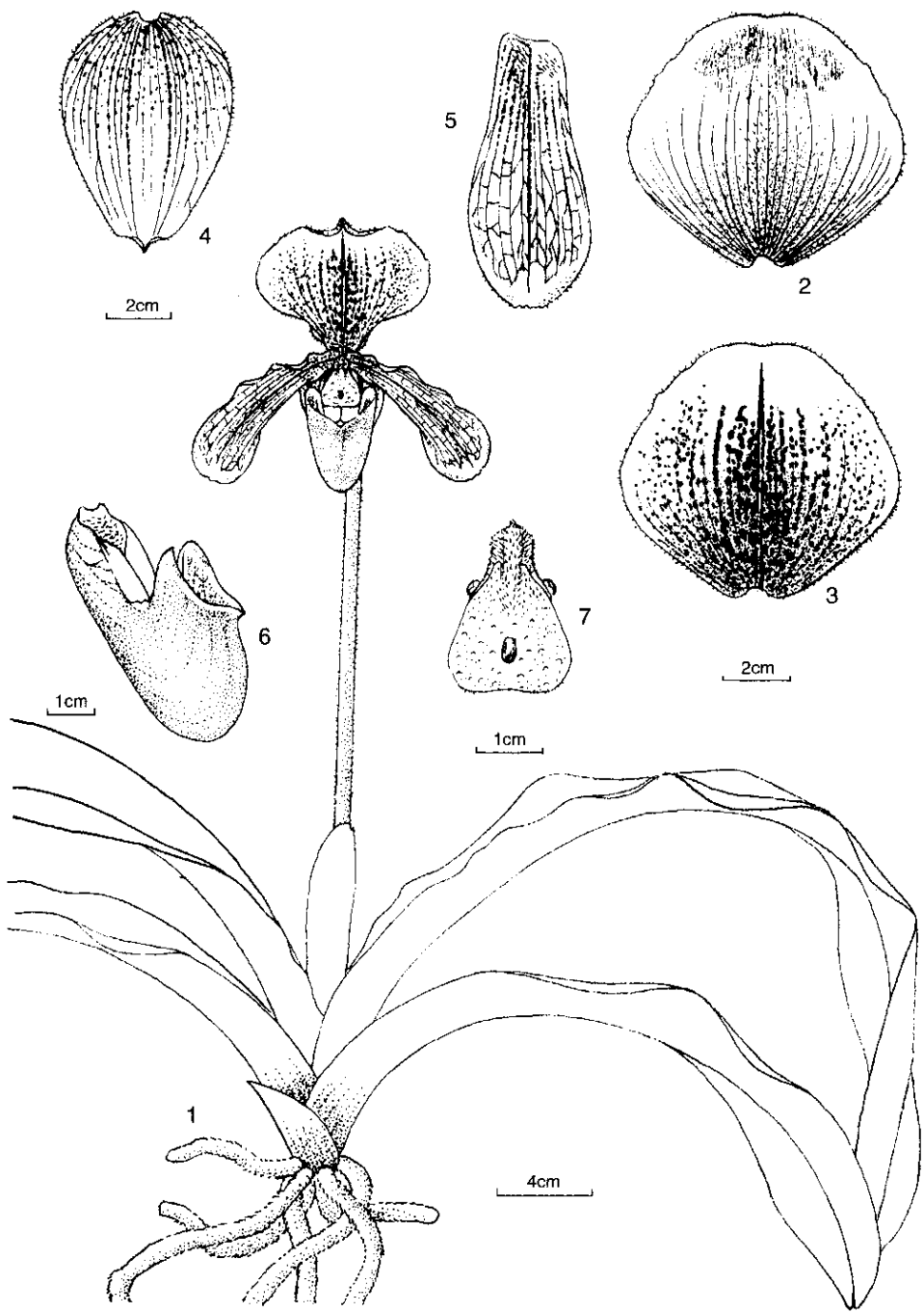


图 1 大花兜兰：1. 带花植株；2. 中萼片，背面观；3. 中萼片，正面观；4. 合萼片，正面观；5. 花瓣，正面观；6. 唇瓣，侧面观；7. 退化雄蕊，正面观。

Fig. 1 *Paphiopedilum macranthum* Z. J. Liu et S. C. Chen : 1. Flowering plant ; 2. Dorsal sepal , back view ; 3. Dorsal sepal , front view ; 4. Synsepal , front view ; 5. Petal , front view ; 6. Lip , side view ; 7. Staminode , front view .

suborbiculare, 7.2 cm longum, 7.8 cm latum, ciliatum, dorso album, prope apeceum ex puspureo-rubello album, prope basin ex viridulo album, ventro albido-purpurellum, ad marginem album, prope basin viridulum, purpureo-rubello-punctatum, dorso prope basin et secus costam albo-pubescent; synsepalum ellipticum, ca 7 cm longum, 5 cm latum, viridulum, purpureo-rubello-punctatum, dorso prope basin et apicem plus minusve albo-pubescent; petala anguste subobovato-spathulata, ca 7.8 cm longa, superne 3.3 cm lata, e purpureo-brunneolo viridulo-flavida, apice subtruncata, obscure denticulata, ciliolata, dorsa basi et apice plus minusve purpurello-brunneolo-pubescentia, ventro ad basin purpureo-hirsuta; labellum galeiformi-saccatum, cum basi stipitata ca 6 cm longum; saccus 4 cm longus, 3 cm latus, purpureo-brunneolus, margine viridulo-flavidus, auricula erecta margine plus minusve purpureo-pubescenti staminodium late obovatum, ca 2 cm longum et latum, flavidum, apice subtruncatum, supra purpureo-brunneolo-pubescent, ad centrum callo umbilicato viridulo-flavido praeditum.

Cambodia. Eastern part(东部), no precise locality(无详细地点), 2001.11.06, Z. J. Liu 21116(holotype, in Herbarium, Shenzhen City Wutongshan Nursery (深圳市梧桐山苗圃总场标本室), here designated).

根状茎短。叶(2 ~) 3 ~ 4 枚, 二列, 狭矩圆状舌形, 长 26 ~ 42 cm, 宽(4 ~) 5 ~ 6 cm, 上面深绿色, 背面绿色且在靠近基部处呈紫褐色, 先端近急尖并稍 2 裂, 基部对摺成柄。花葶近直立, 连同具单花的花序长约 32 cm; 花序柄长 24 cm, 绿色, 有紫红色细斑点, 被白色短柔毛, 基部具 1 枚鞘; 鞘绿色, 长 7 cm, 对摺; 花苞片椭圆形, 长 5.8 cm, 宽 4.2 cm, 对摺, 绿色, 有淡紫红色小斑点, 背面近基部被白色短柔毛; 花梗与子房长 6.2 cm, 绿色, 具浅紫红色小斑点, 被白色短柔毛; 花直径约 11 cm; 中萼片近圆形, 长 7.2 cm, 宽 7.8 cm, 背面白, 在近顶端处具有浅紫红色晕, 近基部有浅绿色晕, 腹面带白的浅紫色, 但边缘白色, 近基部处浅绿色, 具浅紫红色斑点, 背面近基部及沿中脉被白色短柔毛, 边缘具缘毛; 合萼片椭圆形, 长约 7 cm, 宽 5 cm, 浅绿色, 有浅紫红色斑点, 背面近基部与顶端多少被白色短柔毛; 花瓣近狭倒卵状匙形, 长 7.8 cm, 上部宽 3.3 cm, 浅绿黄色并具紫褐色晕, 先端近截形且有不明显的小齿, 近顶端边缘具细缘毛, 背面近基部与顶端多少被浅紫褐色短柔毛, 腹面近基部具浅紫色长硬毛; 唇瓣盔状囊形, 连同柄状基部长约 6 cm; 囊长 4 cm, 宽 3 cm, 浅紫褐色, 边缘浅绿黄色, 近直立的耳部边缘多少具紫色短柔毛; 退化雄蕊宽倒卵形, 长宽各约 2 cm, 浅黄色, 先端近截形, 上表面被紫褐色短柔毛, 中央具 1 个浅绿黄色脐状胼胝体。

本新种略似紫毛兜兰(*Paphiopedilum villosum*), 但叶较大, 长 26 ~ 42 cm, 宽(4 ~) 5 ~ 6 cm, 花序柄被白色短柔毛, 中萼片宽 7.8 cm, 具密集的紫红色斑点, 背面近基部处与中脉被白色短柔毛, 易于区别。

Paphiopedilum macranthum Z. J. Liu et S. C. Chen is a remarkable new species. It is described based on a cultivated plant collected from eastern Cambodia bordering Vietnam. The collector told us that this species was detected and sent abroad long ago. But nothing has been known about it since then. The plant flowered in last October. Besides the type specimen we have a living plant in our nursery. It is a large herb with three or four dark green leaves up to 26 – 42 × 5 – 6 cm. Its flower is up to 10 cm across, with a very large dorsal sepal densely marked with purple-reddish spots. This new species belongs to sect. *Paphiopedilum*, and somewhat similar in floral structure to *Paphiopedilum villosum* (Lindl.) Stein, from which it differs by having, in addition to much larger leaves and dorsal sepal, a white-pubescent peduncle, larger petals non ciliate at least on the lower half, and a large staminode ca 2 cm long and wide.